PATENT ABSTRACTS OF JAPAN

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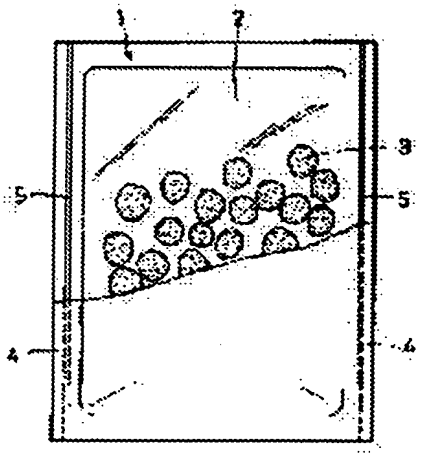
(72)Inventor : SATO KENSUKE

(54) BAG WITH RESEALING FUNCTION

(57)Abstract:
PROBLEM TO BE SOLVED: To retain a folded state of a bag by the flection of plastic metal materials when an end of the bag unsealed is folded, and enable the bag to be resealed without requiring a sealing member such as a rubber band by providing each plastic metal material extending from each of side ends of an unsealing portion of the bag formed by laminating and bonding two sheets of a film toward each of the opposite sides of the unsealing portion.
SOLUTION: This bag 1 is composed of two sheets of a plastic film 2, which are bonded to each other at their peripheral portions, and a linear plastic metal material 5 is vertically held between the films 2 at their bonded portions 4, 4 on both sides thereof, respectively. When an unsealed upper end of the bag 1 is folded, the plastic metal materials 5 are folded, and the bag 1 can be retained in a folded state. That is, the bag 1 can be resealed under the condition that air ventilation between the interior of the bag 1 and the external side thereof can be blocked, and wetness, etc. of contents 3 can be prevented. Further, the plastic metal materials may be provided by fixing them to the films with a resin tape. According to this method, the plastic metal materials can be stuck to positions where the flexed state of the bag can be most effectively maintained, because the mounting positions of the plastic metal materials are not limited.



LEGAL STATUS

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[Patent number]

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CLAIMS

[Claim(s)]
[Claim 1] The bag with a re-closure function characterized by preparing plastic metal material towards the opposite side in the bag which stuck the film in piles from the edge opened.
[Claim 2] The bag with a re-closure function according to claim 1 characterized by being placed between the attachment sections of a film by said plastic metal material.
[Claim 3] The bag with a re-closure function according to claim 1 characterized by said plastic metal material having fixed on the resin tape on the film.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention] This invention relates to bags which contain what is easy to become wet, such as food like for example, snack confectionery.
[0002]
[Description of the Prior Art] In eating the snack confectionery contained by the pyro bag made from plastic film in several steps generally, as shown in drawing 8 , it is kept, where it put in multiple-times insertion and a rubber band 51 and the upper part of a bag 50 is closed, and prevents moisture of the contents 52, such as snack confectionery.
[0003]
[Problem(s) to be Solved by the Invention] However, when there is no rubber band at hand, it cannot be kept in the above condition.
[0004] Then, even if this invention does not have closure implements, such as a rubber band, it tends to offer the bag which can be re-closed.
[0005]
[Means for Solving the Problem] In order to solve the above-mentioned technical problem, this invention prepared plastic metal material towards that opposite side in the bag which stuck the film in piles from the edge opened.
[0006] With this bag, if the opened edge is inserted in on the occasion of the re-closure, plastic metal material will be crooked and that condition will be held.
[0007] If said plastic metal material is made to be placed between the attachment sections of a film, since the means for detachable of plastic metal material is unnecessary, it can manufacture by low cost, and if said plastic metal material is fixed on a resin tape on a film, since the stowed position of plastic metal material will not be limited, plastic metal material can be stuck on the location which can maintain a bending condition in a bag most effectively.
[0008]
[Embodiment of the Invention] Drawing 1 thru/or drawing 3 show the 1st operation gestalt of the bag concerning this invention. This bag 1 holds contents 3 for the plastic film 2 of two sheets in lamination and its interior in the periphery section. The plastic metal material 5 of a filament is put between the both-sides attachment sections 4 and 4 of a film 2 towards the vertical direction.
[0009] With this bag 1, if the opened upper limit section is inserted in as shown in drawing 3 , since the plastic metal material 5 will be crooked and that condition will be held, where the aeration of the interior of a bag 1 and the exterior is intercepted, it can re-close, and moisture of contents 3 can be controlled. Moreover, since the means for detachable of the plastic metal material 5 is unnecessary, it can manufacture by low cost.
[0010] Drawing 4 thru/or drawing 6 show the 2nd operation gestalt of the bag concerning this invention. This bag 6 is a pyro bag which turns up the both-sides section of the plastic film 7 of one sheet, and holds contents 8 in lamination and its interior, and the plastic metal material 10 of a filament has fixed it on the resin tape 11 to the method of both sides of the attachment section 9 in the front face of a film 7.

[0011] In order to manufacture this bag 6, it is good to make it stick on a film 7, sticking the plastic metal material 10 on the adhesion side on the background of the resin tape 11, covering the whole adhesion side with a release paper, twisting the resin tape 11 around a reel in this condition, pulling out the resin tape 11 from that reel, and removing a release paper.
[0012] With this bag 6, if the opened upper limit section is inserted in on the occasion of the re-closure as shown in drawing 6 , since the plastic metal material 10 will be crooked and that condition will be held, the internal and external aeration of a bag 6 is intercepted, and moisture of contents 8 is prevented. Moreover, since the stowed position of the plastic metal material 10 is not limited, plastic metal material can be stuck on the location which can maintain the bending condition of a bag 6 most effectively.
[0013] Moreover, as the 3rd operation gestalt, as shown in drawing 7 , on both sides of one plastic metal material 5, it may also be crowded in the attachment section 9 of a bag 6. In this case, like the above-mentioned 1st operation gestalt, since the means for detachable of the plastic metal material 5 is unnecessary, it can manufacture by low cost.
[0014] In addition, if it replaces with a filament and sheet metal is used as the above-mentioned plastic metal material 5 and 10, the protrusion on the front face of a bag can be controlled.
[0015]
[Effect of the Invention] Without requiring closure implements, such as a rubber band, since plastic metal material will be crooked and that condition will be held, if the opened edge is inserted in, the bag applied to this invention as explained above is re-closed where the aeration of the interior of in a bag and the exterior is intercepted, and it can control moisture of contents.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] the part which shows the 1st operation gestalt of the bag concerning this invention — a notching front view
[Drawing 2] An important section crossing top view same as the above
[Drawing 3] The vertical section side elevation showing a re-closure condition same as the above
[Drawing 4] The front view showing the 2nd operation gestalt of the bag concerning this invention
[Drawing 5] An important section crossing top view same as the above
[Drawing 6] The vertical section side elevation showing a re-closure condition same as the above
[Drawing 7] The front view showing the 3rd operation gestalt of the bag concerning this invention
[Drawing 8] The vertical section side elevation showing the re-closure condition of the conventional bag
[Description of Notations]
1 Six Bag
2 Seven Film
3 Eight Contents
4 Attachment Section
5 Ten Plastic metal material
11 Resin Tape

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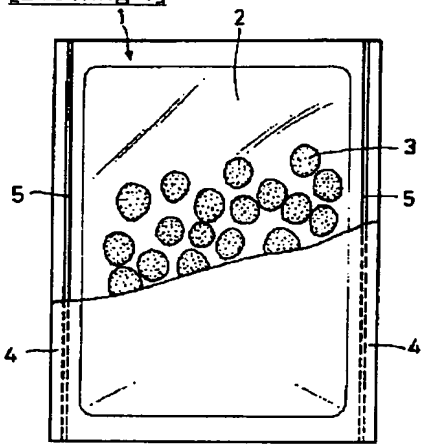
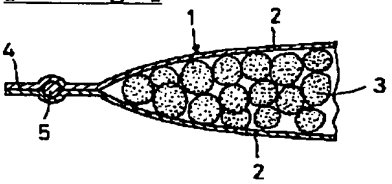
DRAWINGS

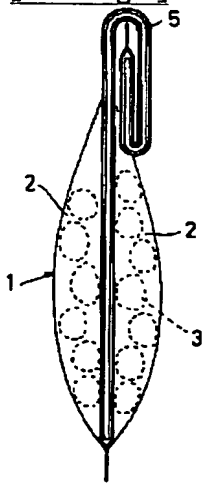
[Drawing 1]



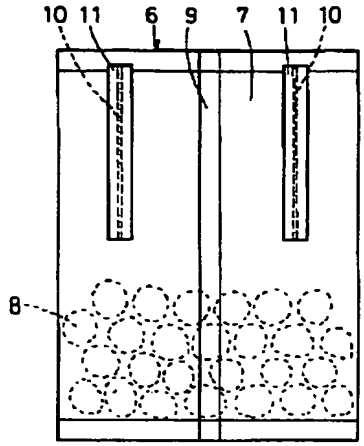
[Drawing 2]



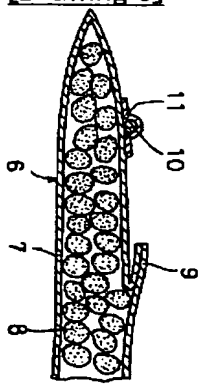
[Drawing 3]



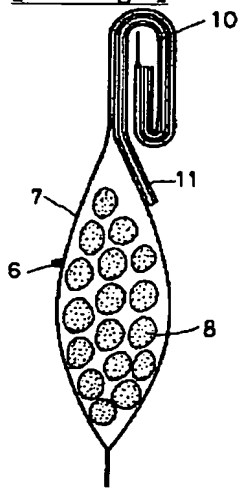
[Drawing 4]



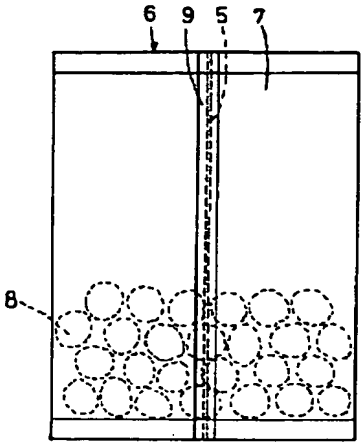
[Drawing 5]



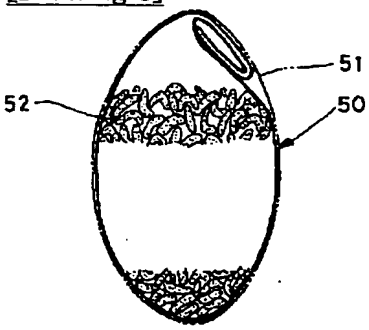
[Drawing 6]



[Drawing 7]



[Drawing 8]



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審査請求　未請求　請求項の数３　ＯＬ　（全３頁）

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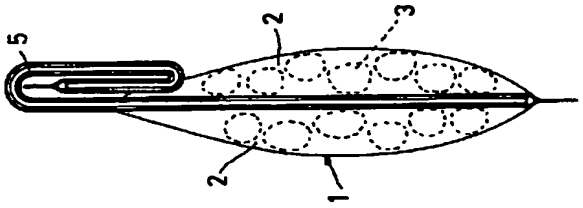
(54)【発明の名称】　再封止機能付袋

(57)【要約】

【課題】　輪ゴム等の封止具がなくても再封止できる袋を提供する。

【解決手段】　フィルム２を重ねて貼着した袋１において、開封される端部からその反対側へ向けて、塑性金属材５を設ける。再封止に際し、開封した端部を折り込むと、塑性金属材５が屈曲し、その状態が保持され、袋１の内部と外部との通気が遮断される。



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【特許請求の範囲】

【請求項１】　フィルムを重ねて貼着した袋において、開封される端部からその反対側へ向けて、塑性金属材を設けたことを特徴とする再封止機能付袋。

【請求項２】　前記塑性金属材がフィルムの貼着部に介在することを特徴とする請求項１に記載の再封止機能付袋。

【請求項３】　前記塑性金属材がフィルムに樹脂テープで固着されていることを特徴とする請求項１に記載の再封止機能付袋。

【発明の詳細な説明】

【０００１】

【発明の属する技術分野】この発明は、例えばスナック菓子のような食品等、湿りやすいものを収納する袋に関するものである。

【０００２】

【従来の技術】一般に、プラスチックフィルム製ピロー袋に収納されたスナック菓子を数回に分けて食べる場合には、図８に示すように、袋５０の上部を複数回折り込み、輪ゴム５１を掛けて封止した状態で保管し、スナック菓子等の内容物５２の湿りを防止する。

【０００３】

【発明が解決しようとする課題】しかしながら、輪ゴムが手元にない場合には、上記のような状態で保管することはできない。

【０００４】そこで、この発明は、輪ゴム等の封止具がなくても再封止できる袋を提供しようとするものである。

【０００５】

【課題を解決するための手段】上記課題を解決するため、この発明は、フィルムを重ねて貼着した袋において、開封される端部からその反対側へ向けて、塑性金属材を設けたのである。

【０００６】この袋では、再封止に際し、開封した端部を折り込むと、塑性金属材が屈曲し、その状態が保持される。

【０００７】前記塑性金属材をフィルムの貼着部に介在させると、塑性金属材の固着手段が不要であるため低コストで製造でき、前記塑性金属材をフィルムに樹脂テープで固着すると、塑性金属材の装着位置が限定されないので、袋の折曲状態を最も効果的に維持できる位置に塑性金属材を貼り付けることができる。

【０００８】

【発明の実施の形態】図１乃至図３は、この発明に係る袋の第１実施形態を示す。この袋１は、２枚のプラスチックフィルム２を周縁部で貼り合わせ、その内部に内容物３を収容するものである。フィルム２の両側貼着部４、４には、線条の塑性金属材５が上下方向に向けて挟み込まれている。

【０００９】この袋１では、図３に示すように、開封した上端部を折り込むと、塑性金属材５が屈曲し、その状態が保持されるので、袋１の内部と外部との通気を遮断した状態で再封止でき、内容物３の湿りを抑制できる。また、塑性金属材５の固着手段が不要であるため低コストで製造できる。

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【００１０】図４乃至図６は、この発明に係る袋の第２実施形態を示す。この袋６は、１枚のプラスチックフィルム７の両側部を折返して貼り合わせ、その内部に内容物８を収容するピロー袋であり、フィルム７の表面には、貼着部９の両側方に線条の塑性金属材１０が樹脂テープ１１で固着されている。

【００１１】この袋６を製造するには、樹脂テープ１１の裏側の接着面に塑性金属材１０を貼着して接着面全体を離型紙で覆い、この状態で樹脂テープ１１をリールに巻き付け、そのリールから樹脂テープ１１を引き出し、離型紙を剥がしつつフィルム７に貼り付けるようにするとよい。

【００１２】この袋６では、再封止に際し、図６に示すように、開封した上端部を折り込むと、塑性金属材１０が屈曲し、その状態が保持されるので、袋６の内外の通気が遮断され、内容物８の湿りが防止される。また、塑性金属材１０の装着位置が限定されないので、袋６の折曲状態を最も効果的に維持できる位置に塑性金属材を貼り付けることができる。

【００１３】また、第３実施形態として、図７に示すように、袋６の貼着部９に１本の塑性金属材５を挟みこんでもよい。この場合、上記第１実施形態と同様に、塑性金属材５の固着手段が不要であるため低コストで製造できる。

【００１４】なお、上記塑性金属材５、１０として、線条に代えて薄板を使用すると、袋表面の突出を抑制することができる。

【００１５】

【発明の効果】以上説明したように、この発明に係る袋は、開封した端部を折り込むと、塑性金属材が屈曲し、その状態が保持されるので、輪ゴム等の封止具を要することなく、袋の内部と外部との通気を遮断した状態で再封止し、内容物の湿りを抑制できる。

【図面の簡単な説明】

【図１】この発明に係る袋の第１実施形態を示す一部切欠正面図

【図２】同上の要部横断平面図

【図３】同上の再封止状態を示す縦断側面図

【図４】この発明に係る袋の第２実施形態を示す正面図

【図５】同上の要部横断平面図

【図６】同上の再封止状態を示す縦断側面図

【図７】この発明に係る袋の第３実施形態を示す正面図

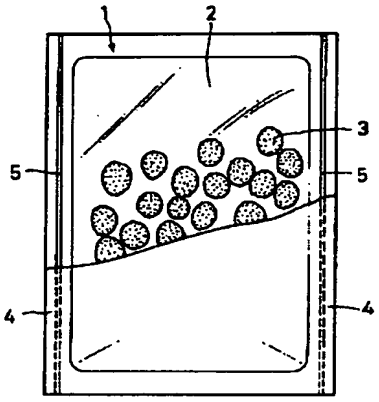
【図８】従来の袋の再封止状態を示す縦断側面図

【符号の説明】

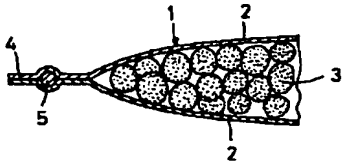
１、６　袋

２、７　フィルム
３、８　内容物
４　貼着部
＊５、１０　塑性金属材
１１　樹脂テープ
＊

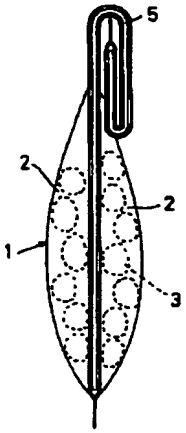
【図１】



【図２】



【図３】



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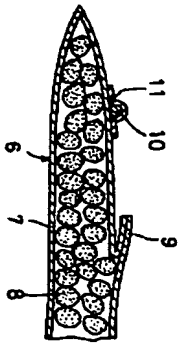

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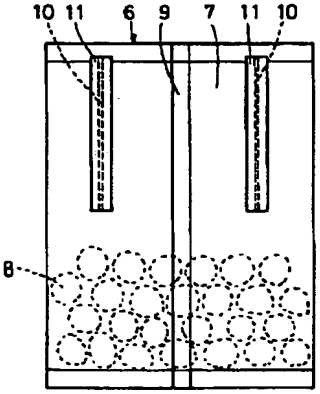
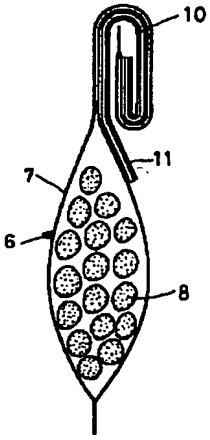


【図６】



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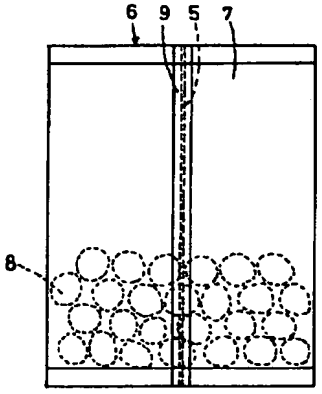

【図８】